

Notice of Allowability

Application No.

08/810,646

Examiner

Jeff Piziali

Applicant(s)

JACOBSEN ET AL.

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment and Remarks filed 31 May 2007.
2. ☒ The allowed claim(s) is/are 1-44.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application
- ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
- ☐ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other _____


Jeff Piziali
6 August 2007

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed (on 21 June 2007) in this application after final rejection (mailed 3 April 2007). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 31 May 2007 has been entered.

Allowable Subject Matter

2. Claims 1-44 are allowed.

3. The following is an examiner's statement of reasons for allowance:

The present invention comprises a docking system for a telephone. The prior art, *Wilska et al (United Kingdom - 2,289,555 A)* discloses a docking system for a telephone [Fig. 3; 17] comprising: a hand held housing [Fig. 1; 1] (see Page 5, Paragraph 3) having a plurality of control elements [Fig. 3; 10 & 11] (see Page 4, Paragraph 3) and a connection port [Fig. 3; 8] (see Page 5, Paragraph 3) that electrically connects a control processing circuit [Fig. 3; 2] (see Page 3, Paragraph 9) within the housing to a wireless telephone [Fig. 3; 17] that docks with the housing, the control processing circuit receiving image data from the telephone, and generating display data based on image data (see Page 5, Paragraph 3); a liquid crystal display [Fig. 1; 9]

Art Unit: 2629

mounted to the housing (see Page 4, Paragraph 2), the display receiving the display data from the control processing circuit, and presenting the display data as an image (see Page 3, Paragraph 9). Wilska does not expressly disclose an active matrix LCD, a light source, or a power management circuit.

However, prior art *Takahara et al (US 5,436,635 A)* does disclose an active matrix liquid crystal display [Fig. 21, 214] (see Column 33, Lines 22-28), a light source [Fig. 21, 211] mounted in a display housing [Fig. 21, 201] that illuminates the image presented on the liquid crystal display (see Column 28, Lines 30-49), and a power management circuit [Fig. 22, 223] that lowers the power consumption of a control processing circuit [Fig. 22, the combined circuitry of 211, 214 & 221-225 and the 'variable resistor'] after the image is illuminated until display data [Fig. 22, 'Video Signal'] for the next image from the control processing circuit is ready to be presented to the matrix display, the power consumption of the control processing circuit being lowered between sequentially generated display data, the power management circuit arranged for receiving control signals [i.e. pulse width variable signals from the 'variable resistor'] for lowering the power consumption, the control signals resulting from signals from the control processing circuit that are initiated (i.e., introduced into the remainder of the corresponding circuitry via 'variable resistor' alteration and adjustment) by the control processing circuit (see Column 31, Lines 16-63).

Wilska and Takahara are analogous art because they are from the shared field of handheld liquid crystal display devices. Thus, it would have been obvious to a person of ordinary skill in the art at the time of the invention to utilize Takahara's active matrix LCD, light source, and power management circuit with Wilska's communication device, so as to provide a

Art Unit: 2629

high quality, energy efficient, liquid crystal image that's easy to see (and read) in both dark and bright light.

However, as argued by the applicants (on Pages 10-12 of the Amendment filed 31 May 2007), the prior art does not expressly teach the subject matter of, *the power management circuit and the control processing circuit being connected together and arranged in a configuration that lowers the power consumption in a self regulating manner*, in combination with the remaining features and subject matter of the instantly claimed invention.

This distinct structural and operational arrangement has been incorporated into all four pending independent claims (i.e. claims 1, 21, 30, and 35), thereby rendering them allowable.

Any comments considered necessary by applicants must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2629

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeff Piziali whose telephone number is (571) 272-7678. The examiner can normally be reached on Monday - Friday (6:30AM - 3PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin Shalwala can be reached on (571) 272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Jeff Piziali
6 August 2007